C3460-1

FIBER ORGANON

Volume 62, No. 7 ☐ July 1991

A publication of *Fiber Economics Bureau, Inc.*

Highlights

- Worldwide Manufactured Fiber Survey in Millions of Pounds.
- Worldwide Fiber Demand remains virtually the same at 84,787 million pounds.
  ...Demand for manufactured fiber stood at 39,054 million pounds.
  ...Demand for natural fibers stood at 45,733 million pounds.

SHIPMENTS:

In June, total manufactured fiber shipments reached 711 milllion pounds, 6% below the 760 million pounds shipped in May and slightly below the 714 million pounds shipped in June 1990.

June shipments of synthetic (noncellulosic) filament yarn fell 5% to 351 million pounds and staple+tow fell 7% to 320 million pounds.

Contributing to the decrease in shipments over the previous month were nylon industrial yarn down 15% or 4 million pounds, nylon textile yarn down 13% or 4 million pounds and polyester staple+tow down 19 million pounds or 10%.

Year-to-date domestic shipments of manufactured fiber are down 5% and exports are up 11%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1991 JUN	1991 MAY	% CHG 6/91-5/91	1990 JUN	% CHG 6/91-6/90	YEAR TO DATE 1991	YEAR TO DATE 1990	% CHG YTD 1991-1990
ARTIFICIAL (CELLULOSIC)								
YARN	17.7	18.0	*-1.7*	16.9	*+4.7*	103.4	100.3	*+3.1*
RAYON STAPLE	22.7	25.7	*-11.7*	22.6	*+0.4*	128.5	157.6	*-18.5*
TOTAL ARTIFICIAL (CELL.)	**40.4**	**43.7**	***-7.6***	**39.5**	***+2.3***	**231.9**	**257.9**	***-10.1***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	24.4	28.6	*-14.7*	27.6	*-11.6*	164.7	168.4	*-2.2*
- CARPET	80.4	85.8	*-6.3*	75.8	*+6.1*	434.2	491.3	*-11.6*
- TEXTILE [a]	28.7	33.0	*-13.0*	31.3	*-8.3*	187.6	182.3	*+2.9*
POLYESTER - INDUSTRIAL	29.0	29.0	--	30.2	*-4.0*	165.6	180.8	*-8.4*
- TEXTILE [a]	68.5	74.4	*-7.9*	61.4	*+11.6*	412.6	370.4	*+11.4*
OLEFIN	120.2	120.2	--	122.2	*-1.6*	675.9	711.3	*-5.0*
TOTAL YARN	**351.2**	**371.0**	***-5.3***	**348.5**	***+0.8***	**2040.6**	**2104.5**	***-3.0***
STAPLE+TOW+FIBERFILL								
NYLON	70.7	77.8	*-9.1*	77.6	*-8.9*	412.2	499.3	*-17.4*
ACRYLIC+MODACRYLIC	42.0	37.5	*+12.0*	43.8	*-4.1*	220.5	249.8	*-11.7*
POLYESTER	169.8	189.1	*-10.2*	167.6	*+1.3*	1044.9	1043.9	*+0.1*
OLEFIN	37.3	40.5	*-7.9*	37.1	*+0.5*	216.3	208.2	*+3.9*
TOTAL STAPLE	**319.8**	**344.9**	***-7.3***	**326.1**	***-1.9***	**1893.9**	**2001.2**	***-5.4***
TOTAL SYNTHETIC (NONCELL.)	**671.0**	**715.9**	***-6.3***	**674.6**	***-0.5***	**3934.5**	**4105.7**	***-4.2***
TOTAL MANUFACTURED FIBER	**711.4**	**759.6**	***-6.3***	**714.1**	***-0.4***	**4166.4**	**4363.6**	***-4.5***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	667.4	714.8	*-6.6*	671.4	*-0.6*	3900.7	4123.3	*-5.4*
EXPORTS [c]	44.0	44.8	*-1.8*	42.7	*+3.0*	265.7	240.3	*+10.6*

-- No Change.
a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

July 1991

Fiber Organon

A Monthly Review

CONTENTS

Features

Worldwide Manufactured Fiber Survey (Million Pounds) 167 - 184

Graph 1: Worldwide Demand for Certain Fibers 167
Worldwide Demand for Certain Fibers 167
Graph 2: Percent Share of Worldwide Artificial (Cellulosic) Fiber Production & Producing Capacity by Area 168
Graph 3: Percent Share of Worldwide Synthetic (Noncellulosic) Fiber Production & Producing Capacity by Area 169
Worldwide Synthetic (Noncellulosic) Fiber Production & Producing Capacity by Country 170 - 173
Worldwide Artificial (Cellulosic) Fiber Production & Producing Capacity by Country 174 - 177
Worldwide Rayon vs. Acetate Filament Yarn Production & Producing Capacity by Country 178 - 179
Worldwide Synthetic (Noncellulosic) Fiber Production & Producing Capacity by Fiber 180 - 181
Worldwide Olefin Fiber Production 182 - 183
Worldwide Glass Fiber Production & Producing Capacity 184
Estimated Worldwide Cigarette Tow Production 184

Industry Regulars

Total U.S. Manufactured Fiber Shipments 165

Monthly U.S. Manufactured Fiber Data 185 - 187
Imports by Country of Origin 185
Imports by Fiber 186
Exports by Fiber 187

Selected U.S. Monthly Fiber Data 188

FIBER ECONOMICS BUREAU, INC.

Rosemarie D. Frick
President & Editor

Kim Costa
Assistant Editor

Publishing Headquarters:
Fiber Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107
Facsimile: (201) 228-7598

ISSN 0040-5132

Copyright © 1991
Fiber Economics Bureau, Inc.

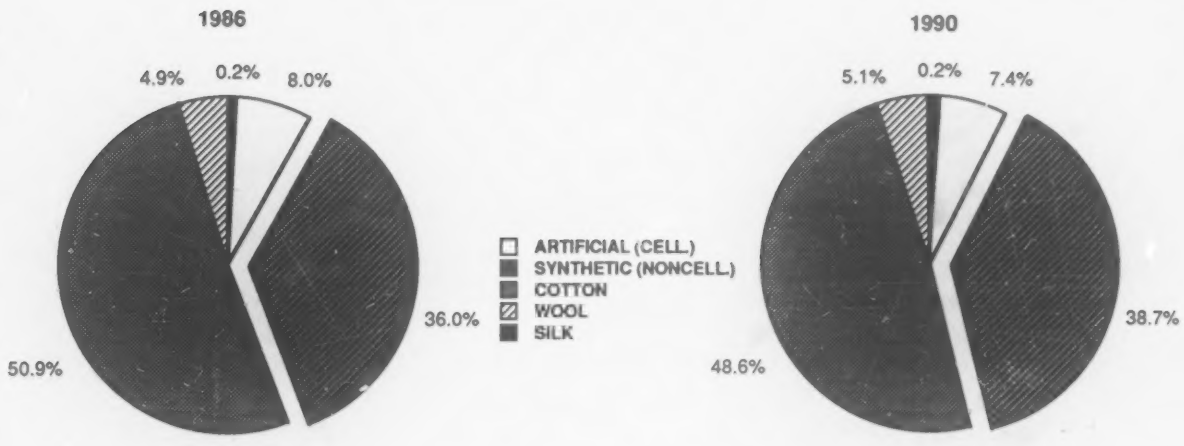
FIBER ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Subscription Rates -
(payable in U.S. dollars with order):

ITEM	U.S.A.	OTHER
Annually (1 year only)	300.00	400.00
Schools & Nonprofit	150.00	400.00
Single Issues:		
May	100.00	150.00
June	200.00	250.00
September	150.00	200.00
December	100.00	150.00
All Others	50.00	75.00

Issues are sent by 1st class mail to U.S. subscribers and by airmail to foreign subscribers.

GRAPH 1:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
SHARE



TOTAL: 79,089 MM LBS.

TOTAL: 84,787 MM LBS.

TABLE 2:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
MILLION POUNDS

TYPE OF FIBER	1986	1987	1988	1989	1990	% CHANGE 1990/1989
ARTIFICIAL (CELLULOSIC) FIBERS						
YARN+MONOFILAMENTS	2037	2009	2089	2038	1987	*-2.5*
STAPLE+TOW	4267	4220	4271	4303	4287	*-0.4*
TOTAL ARTIFICIAL (CELLULOSIC)	**6304**	**6229**	**6360**	**6341**	**6274**	*-1.1*
SYNTHETIC (NONCELLULOSIC) FIBERS						
YARN+MONOFILAMENTS	12529	13315	14460	15012	15372	*+2.4*
STAPLE+TOW	15970	16978	17272	17625	17408	*-1.2*
TOTAL SYNTHETIC (NONCELLULOSIC)	**28499**	**30293**	**31732**	**32637**	**32780**	*+0.4*
TOTAL MANUFACTURED [a]	**34803**	**36522**	**38092**	**38978**	**39054**	*+0.2*
% of World Total	*44%*	*45%*	*46%*	*46%*	*46%*	
NATURAL FIBERS						
RAW COTTON [b]	40300	40219	40750	41299	41257	*-0.1*
RAW WOOL[c]	3847	3940	4034	4160	4330	*+4.1*
RAW SILK[d]	139	139	141	146	146	--
TOTAL NATURAL	**44286**	**44298**	**44925**	**45605**	**45733**	*+0.3*
% of World Total	*56%*	*55%*	*54%*	*54%*	*54%*	
WORLD TOTAL	**79089**	**80820**	**83017**	**84583**	**84787**	*+0.2*
World Total %	*100%*	*100%*	*100%*	*100%*	*100%*	

-- No change

The silk and manufactured fiber data are on a calendar year basis, while the figures for cotton and wool are on a seasonal basis.

a. Manufactured fiber data are from tables 4 and 5. Glass fiber, olefin and acetate cigarette tow production are not included.

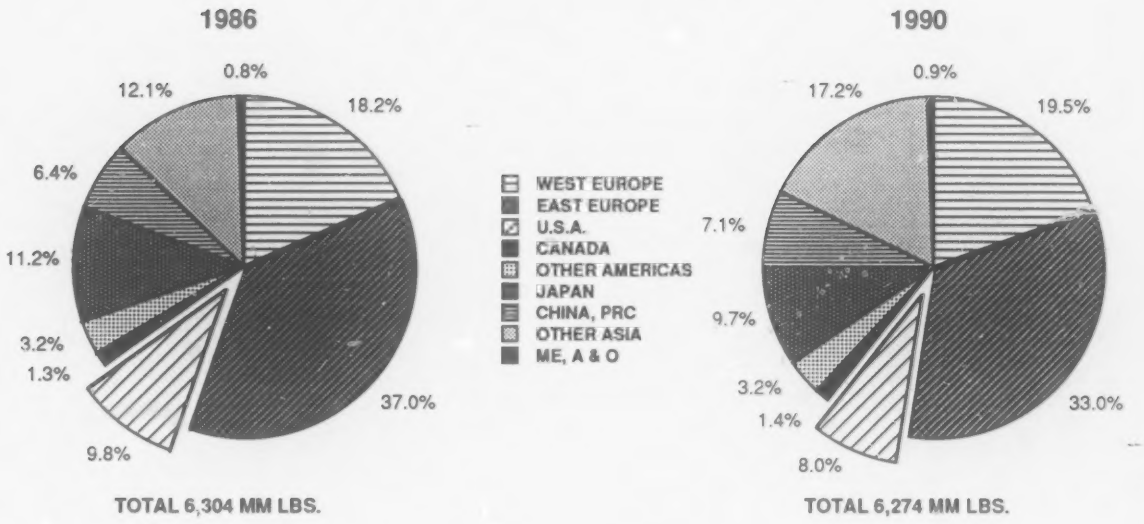
b. International Cotton Advisory Committee. ***COTTON: Review of the World Situation***, May - June 1991. New series based on cotton consumption data.

c. Commonwealth Secretariat. Wool Statistics 1989-90, on a clean wool basis. See also the December 1990 ***Fiber Organon***, page 271.

d. International Silk Association; Food and Agriculture Organization of the United States.

GRAPH 2:
PERCENT SHARE OF WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

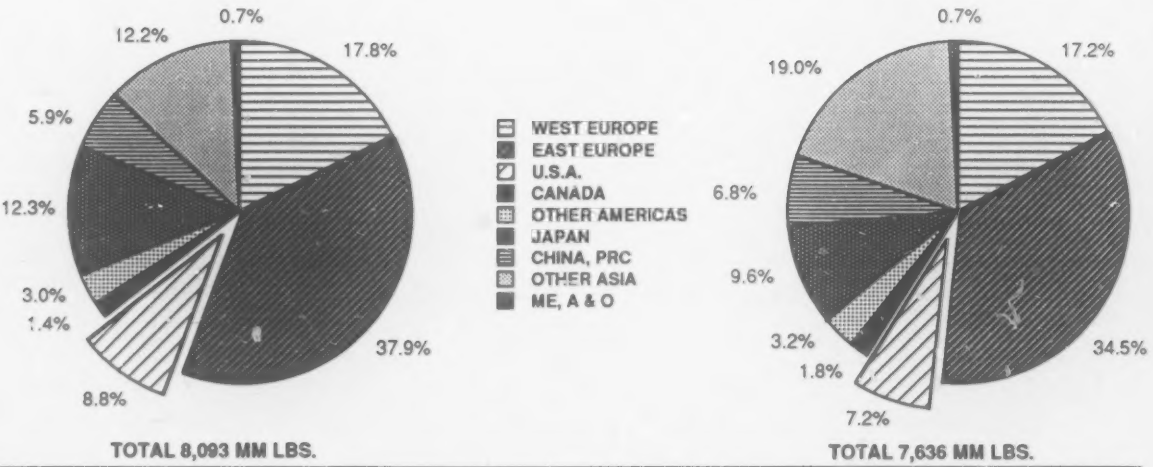
PRODUCTION



TOTAL 6,304 MM LBS.

TOTAL 6,274 MM LBS.

PRODUCING CAPACITY

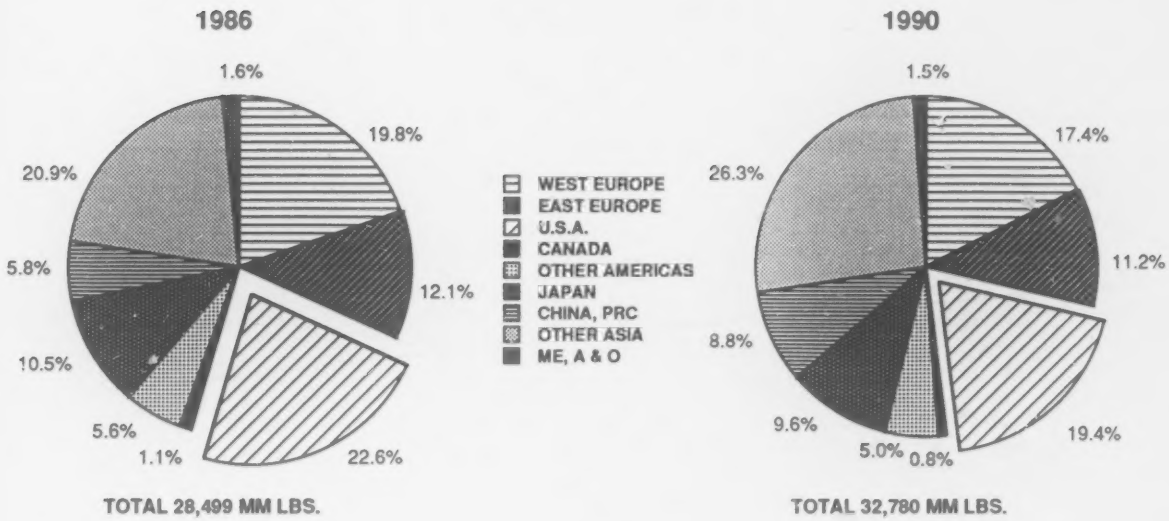


TOTAL 8,093 MM LBS.

TOTAL 7,636 MM LBS.

GRAPH 3:
PERCENT SHARE OF WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

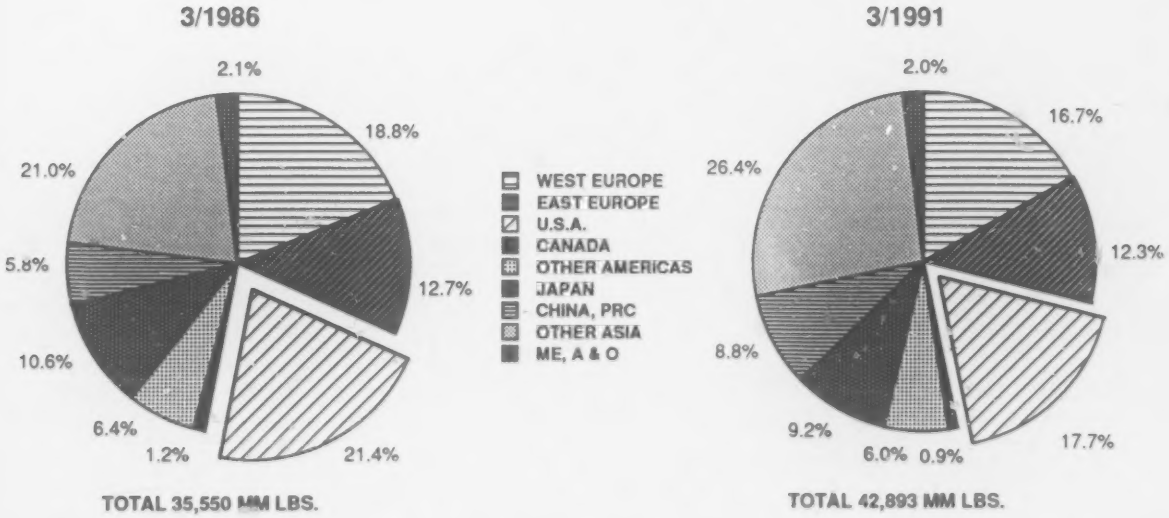
PRODUCTION



TOTAL 28,499 MM LBS.

TOTAL 32,780 MM LBS.

PRODUCING CAPACITY



TOTAL 35,550 MM LBS.

TOTAL 42,893 MM LBS.

TABLE 3:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1986			1987			1988		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE									
AUSTRIA	0	35.1	35.1	0	34.6	34.6	0	36.8	36.8
BENELUX[a]	160.9	75.8	236.7	163.1	72.8	235.9	169.5	74.1	243.6
FINLAND	0.4	0	0.4	0.2	0	0.2	0.2	0	0.2
FRANCE	134.9	233.7	368.6	125.2	229.7	354.9	128.7	256.6	385.3
WEST GERMANY	771.6	870.8	1642.4	783.3	890.7	1674.0	793.4	862.4	1655.8
GREECE	20.7	23.1	43.8	20.7	22.0	42.7	20.9	20.9	41.8
IRELAND	24.3	134.5	158.8	24.3	138.9	163.2	29.8	144.8	174.6
ITALY/MALTA	385.8	886.0	1271.8	377.0	867.7	1244.7	411.4	832.5	1243.9
PORTUGAL	0	121.3	121.3	0	127.4	127.4	0	119.7	119.7
SPAIN	187.2	421.7	608.9	177.5	414.5	592.0	175.5	409.6	585.1
SWITZERLAND	147.9	57.3	205.2	146.0	48.7	194.7	160.5	60.4	220.9
TURKEY	132.3	372.6	504.9	152.1	421.1	573.2	169.8	401.2	571.0
UNITED KINGDOM	172.4	286.6	459.0	179.5	268.1	447.6	206.4	220.2	426.6
TOTAL WESTERN EUROPE	**2138.4**	**3518.5**	**5656.9**	**2148.9**	**3536.2**	**5685.1**	**2266.1**	**3439.2**	**5705.3**
EASTERN EUROPE									
ALBANIA	0.9	0	0.9	1.1	0	1.1	1.1	0	1.1
BULGARIA	83.8	105.6	189.4	87.3	107.4	194.7	90.2	108.5	198.7
CZECHOSLOVAKIA	164.7	101.0	265.7	168.9	102.5	271.4	204.1	107.1	311.2
EAST GERMANY	151.5	180.3	331.8	163.8	177.9	341.7	174.2	213.2	387.4
HUNGARY	18.5	30.9	49.4	15.0	30.4	45.4	18.7	31.3	50.0
POLAND	188.7	102.7	291.4	193.6	102.7	296.3	197.1	111.6	308.7
ROMANIA	129.6	310.6	440.2	131.2	313.9	445.1	131.0	316.6	447.6
USSR	892.4	778.2	1670.6	959.0	904.3	1863.3	1009.0	906.3	1915.3
YUGOSLAVIA	87.5	127.0	214.5	101.4	140.9	242.3	99.6	127.4	227.0
TOTAL EASTERN EUROPE	**1717.6**	**1736.3**	**3453.9**	**1821.3**	**1880.0**	**3701.3**	**1925.0**	**1922.0**	**3847.0**
TOTAL EUROPE	**3856.0**	**5254.8**	**9110.8**	**3970.2**	**5416.2**	**9386.4**	**4191.1**	**5361.2**	**9552.3**

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
a. Includes Belgium, Netherlands and Luxembourg.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1989			1990			3/1991			12/1992		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	38.4	38.4	0	38.6	38.6	*0*	*48.5*	*48.5*	*0*	*48.5*	*48.5*
176.4	88.2	264.6	176.4	88.2	264.6	*228.2*	*179.7*	*407.9*	*272.3*	*179.7*	*452.0*
0.4	0	0.4	0.4	0	0.4	*1.1*	*0*	*1.1*	*1.1*	*0*	*1.1*
128.7	235.0	363.7	129.4	216.7	346.1	*185.2*	*244.7*	*429.9*	*180.8*	*149.9*	*330.7*
782.6	925.9	1708.5	800.3	912.7	1713.0	*952.4*	*976.6*	*1929.0*	*952.4*	*963.4*	*1915.8*
22.5	17.6	40.1	22.5	8.8	31.3	*37.5*	*26.5*	*64.0*	*37.5*	*0*	*37.5*
36.8	161.6	198.4	35.5	169.5	205.0	*39.7*	*180.8*	*220.5*	*79.4*	*209.4*	*288.8*
429.9	760.6	1190.5	411.2	825.6	1236.8	*429.9*	*1003.1*	*1433.0*	*515.9*	*903.9*	*1419.8*
0	123.0	123.0	0	127.4	127.4	*0*	*145.5*	*145.5*	*0*	*164.2*	*164.2*
174.8	387.3	562.1	175.3	378.1	553.4	*246.9*	*502.6*	*749.5*	*246.9*	*500.4*	*747.3*
160.1	50.7	210.8	166.4	39.7	206.1	*176.4*	*72.8*	*249.2*	*187.4*	*72.8*	*260.2*
191.8	432.1	623.9	187.4	404.5	591.9	*366.0*	*531.3*	*897.3*	*381.4*	*551.2*	*932.6*
220.5	187.4	407.9	220.5	180.8	401.3	*220.5*	*374.8*	*595.3*	*220.5*	*377.0*	*597.5*
2324.5	**3407.8**	**5732.3**	**2325.3**	**3390.6**	**5715.9**	***2883.8***	***4286.9***	***7170.7***	***3075.6***	***4120.4***	***7196.0***
1.1	0	1.1	1.1	0	1.1	*4.4*	*0*	*4.4*	*4.4*	*11.0*	*15.4*
86.4	109.3	195.7	77.8	95.7	173.5	*123.5*	*216.1*	*339.6*	*134.5*	*216.1*	*350.6*
175.7	115.3	291.0	178.4	105.8	284.2	*223.5*	*191.8*	*415.3*	*223.5*	*191.8*	*415.3*
149.9	241.0	390.9	125.7	164.0	289.7	*222.7*	*286.6*	*509.3*	*222.7*	*286.6*	*509.3*
13.7	30.9	44.6	10.6	31.5	42.1	*18.7*	*77.2*	*95.9*	*18.7*	*77.2*	*95.9*
182.1	115.3	297.4	140.2	91.9	232.1	*242.9*	*156.5*	*399.4*	*242.9*	*165.3*	*408.2*
133.8	317.7	451.5	112.2	268.3	380.5	*196.4*	*390.2*	*586.6*	*196.4*	*489.4*	*685.8*
1040.6	930.3	1970.9	1070.3	943.6	2013.9	*1302.9*	*1194.9*	*2497.8*	*1336.0*	*1305.1*	*2641.1*
103.8	133.2	237.0	114.0	141.8	255.8	*169.8*	*246.9*	*416.7*	*169.8*	*246.9*	*416.7*
1887.1	**1993.0**	**3880.1**	**1830.3**	**1842.6**	**3672.9**	***2504.8***	***2760.2***	***5265.0***	***2548.9***	***2989.4***	***5538.3***
4211.6	**5400.8**	**9612.4**	**4155.6**	**5233.2**	**9388.8**	***5388.6***	***7047.1***	***12435.7***	***5624.5***	***7109.8***	***12734.3***

TABLE 3:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN *(CONTINUED)*

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1986			1987			1988		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	2778.2	3656.5	6434.7	2875.9	3945.7	6821.6	2956.2	3981.6	6937.8
CANADA	166.0	141.8	307.8	157.6	128.3	285.9	167.8	130.5	298.3
OTHER AMERICAS									
ARGENTINA	67.7	53.8	121.5	61.5	64.8	126.3	61.5	45.0	106.5
BRAZIL	297.2	225.3	522.5	300.6	246.5	547.1	277.3	251.1	528.4
CHILE	8.8	5.1	13.9	9.7	6.0	15.7	11.2	6.2	17.4
COLOMBIA	84.0	20.3	104.3	85.1	23.8	108.9	79.4	28.4	107.8
COSTA RICA	9.3	0	9.3	9.3	0	9.3	9.5	0	9.5
ECUADOR	12.8	0	12.8	12.3	0	12.3	14.3	0	14.3
MEXICO	297.0	356.3	653.3	276.2	458.3	734.5	287.3	460.1	747.4
PERU	25.6	76.1	101.7	26.2	73.9	100.1	26.9	69.7	96.6
URUGUAY	4.0	7.1	11.1	4.4	7.5	11.9	4.6	7.9	12.5
VENEZUELA	29.5	23.1	52.6	31.5	48.3	79.8	39.9	46.1	86.0
TOTAL OTHER AMERICAS	835.9	767.1	1603.0	816.8	929.1	1745.9	811.9	914.5	1726.4
JAPAN	1334.2	1654.3	2988.5	1342.2	1613.3	2955.5	1364.4	1616.0	2980.6
CHINA, PRC	339.1	1308.7	1647.8	460.8	1404.3	1865.1	898.8	1469.8	2368.6
OTHER ASIA									
BANGLADESH	1.1	0	1.1	1.1	0	1.1	1.3	0	1.3
INDIA	306.7	179.9	486.6	353.4	233.0	586.4	441.1	267.9	709.0
INDONESIA	190.0	172.0	362.0	235.9	178.4	414.3	229.3	219.6	448.9
KOREA, REP. OF	962.3	938.9	1901.2	1057.1	1081.6	2138.7	1279.3	1178.8	2458.1
MALAYSIA	0	83.6	83.6	0	85.8	85.8	0	88.2	88.2
PAKISTAN	51.6	53.8	105.4	56.4	56.0	112.4	62.6	71.2	133.8
PHILIPPINES	44.1	33.1	77.2	50.7	28.0	78.7	54.0	33.1	87.1
SRI LANKA	2.9	0	2.9	3.3	0	3.3	4.2	0	4.2
TAIWAN	1335.1	1381.2	2716.3	1576.5	1490.8	3067.3	1615.3	1537.7	3153.0
THAILAND	88.2	125.7	213.9	113.1	148.1	261.2	121.5	164.0	285.5
TOTAL OTHER ASIA	2982.0	2968.2	5950.2	3447.5	3301.7	6749.2	3808.6	3560.5	7369.1
MIDDLE EAST, AFRICA & OCEANIA									
ALGERIA	0	0	0	0	0	0	0	0	0
AUSTRALIA/N.Z.	35.9	2.2	38.1	35.3	2.4	37.7	33.5	2.6	36.1
EGYPT	13.9	67.5	81.4	15.2	70.8	86.0	18.1	75.4	93.5
IRAN	20.9	57.3	78.2	20.9	57.1	78.0	21.8	55.1	76.9
ISRAEL	23.1	17.6	40.7	25.4	22.0	47.4	26.5	17.6	44.1
KENYA	11.2	2.2	13.4	11.0	2.4	13.4	11.0	2.4	13.4
NIGERIA	7.7	6.8	14.5	8.8	6.8	15.6	9.9	6.8	16.7
SOUTH AFRICA	119.5	65.0	184.5	120.8	77.8	198.6	133.8	77.6	211.4
TANZANIA	5.5	0	5.5	6.6	0	6.6	6.6	0	6.6
TOTAL M.E., A. & O.	237.7	218.6	456.3	244.0	239.3	483.3	261.2	237.5	498.7
TOTAL WORLD	12529.1	15970.0	28499.1	13315.0	16977.9	30292.9	14460.0	17271.6	31731.6

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1989			1990			3/1991			12/1992		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
2968.2	3908.7	6876.9	2777.1	3585.3	6362.4	3371.0	4203.0	7574.0	3442.0	4253.0	7695.0
143.7	131.4	275.1	144.2	112.2	256.4	239.0	160.9	399.9	239.0	160.9	399.9
52.9	43.7	96.6	57.1	43.2	100.3	93.9	80.7	174.6	93.9	80.7	174.6
290.1	251.8	541.9	264.3	190.0	454.3	404.3	338.4	742.7	438.9	338.4	777.3
11.7	6.6	18.3	11.9	14.3	26.2	17.0	24.3	41.3	17.0	24.3	41.3
83.3	30.2	113.5	85.1	35.5	120.6	133.2	91.5	224.7	133.2	91.5	224.7
9.3	0	9.3	9.9	0	9.9	17.6	0	17.6	17.6	0	17.6
11.5	0	11.5	12.6	0	12.6	15.9	0	15.9	15.9	0	15.9
297.6	447.1	744.7	291.0	421.7	712.7	453.7	641.3	1095.0	480.2	729.7	1209.9
27.6	58.6	86.2	27.1	72.3	99.4	36.4	86.0	122.4	36.4	86.0	122.4
3.5	10.6	14.1	3.3	9.7	13.0	3.7	10.6	14.3	3.7	10.6	14.3
42.5	60.8	103.3	36.6	48.9	85.5	33.1	84.0	117.1	33.1	84.0	117.1
830.0	909.4	1739.4	798.9	835.6	1634.5	1208.8	1356.8	2565.6	1269.9	1445.2	2715.1
1448.2	1596.1	3044.3	1547.8	1593.7	3141.5	1937.8	2012.8	3950.6	1933.4	2012.8	3946.2
1045.0	1662.3	2707.3	1113.3	1773.4	2886.7	1285.9	2504.4	3790.3	1299.2	2810.9	4110.1
1.3	0	1.3	1.3	0	1.3	2.2	0	2.2	10.1	30.9	41.0
478.8	329.6	808.4	570.8	379.2	950.0	683.9	650.4	1334.3	948.0	712.1	1660.1
279.5	220.5	500.0	341.7	253.5	595.2	526.9	372.6	899.5	707.7	498.2	1205.9
1386.5	1236.8	2623.3	1482.2	1317.0	2799.2	1766.8	1448.4	3215.2	2077.6	1470.5	3548.1
0	91.0	91.0	0	92.4	92.4	0	143.3	143.3	57.3	154.3	211.6
66.1	57.3	123.4	69.4	88.6	158.0	103.6	156.5	260.1	134.5	156.5	291.0
42.5	36.4	78.9	58.4	38.6	97.0	97.0	79.4	176.4	202.8	158.7	361.5
4.4	0	4.4	4.6	0	4.6	7.3	0	7.3	7.3	0	7.3
1727.3	1630.5	3357.8	1909.2	1665.6	3574.8	2336.2	2131.8	4468.0	2336.2	2403.0	4739.2
136.2	179.7	315.9	151.5	201.7	353.2	362.9	438.7	801.6	510.8	551.2	1062.0
4122.6	3781.8	7904.4	4589.1	4036.6	8625.7	5886.8	5421.1	11307.9	6992.3	6135.4	13127.7
0	0	0	0	0	0	0	0	0	0	33.1	33.1
33.1	2.6	35.7	34.6	2.6	37.2	48.5	3.3	51.8	40.5	3.3	51.8
20.7	84.7	105.4	23.8	88.2	112.0	50.7	207.2	257.9	50.7	207.2	257.9
22.7	63.9	86.6	22.7	75.0	97.7	97.0	97.0	194.0	105.8	132.3	238.1
27.3	0	27.3	28.4	0	28.4	33.1	0	33.1	33.1	0	33.1
13.2	2.4	15.6	13.9	2.6	16.5	34.8	6.6	41.4	34.8	6.6	41.4
9.9	2.4	12.3	10.4	2.4	12.8	44.1	6.6	50.7	46.3	6.6	52.9
115.5	79.1	194.6	112.2	67.5	179.7	126.1	103.0	229.1	134.0	109.6	243.6
0	0	0	0	0	0	11.0	0	11.0	11.0	0	11.0
242.4	235.1	477.5	246.0	238.3	484.3	445.3	423.7	869.0	464.2	498.7	962.9
15011.7	17625.6	32637.3	15372.0	17408.3	32780.3	19763.2	23129.8	42893.0	21264.5	24426.7	45691.2

TABLE 4:
WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY
MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1986			1987			1988		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE [a]									
AUSTRIA			271.2			264.6			291.0
BELGIUM/NETHERLANDS			88.2			88.2			90.4
FINLAND			121.3			119.0			133.2
FRANCE	DETAIL		46.3	DETAIL		50.7	DETAIL		33.1
WEST GERMANY	NO		262.3	NO		260.1	NO		269.0
GREECE	LONGER		17.0	LONGER		17.2	LONGER		15.9
ITALY	AVAILABLE		66.1	AVAILABLE		63.9	AVAILABLE		70.5
PORTUGAL			2.0			2.6			1.8
SPAIN			81.6			77.2			81.6
SWEDEN			48.7			50.7			44.1
TURKEY			17.6			17.6			19.2
UNITED KINGDOM			127.9			121.3			141.1
TOTAL WESTERN EUROPE	**420.2**	**730.0**	**1150.2**	**407.8**	**725.3**	**1133.1**	**421.2**	**769.7**	**1190.9**
EASTERN EUROPE									
BULGARIA	9.3	83.8	93.1	9.5	0	9.5	9.7	0	9.7
CZECHOSLOVAKIA	39.7	82.0	121.7	40.6	81.1	121.7	41.4	87.1	128.5
EAST GERMANY	78.5	269.2	347.7	79.1	266.1	345.2	80.0	261.9	341.9
HUNGARY	0	12.1	12.1	0	9.0	9.0	0	9.3	9.3
POLAND	42.1	116.6	158.7	42.5	119.0	161.5	44.5	119.0	163.5
ROMANIA	19.8	121.3	141.1	19.8	125.7	145.5	20.1	146.6	166.7
USSR	542.3	756.2	1298.5	543.4	760.6	1304.0	581.6	743.4	1325.0
YUGOSLAVIA	33.3	123.5	156.8	29.3	110.2	139.5	30.9	119.0	149.9
TOTAL EASTERN EUROPE	**765.0**	**1564.7**	**2329.7**	**764.2**	**1471.7**	**2235.9**	**808.2**	**1486.3**	**2294.5**
TOTAL EUROPE	**1185.2**	**2294.7**	**3479.9**	**1172.0**	**2197.0**	**3369.0**	**1229.4**	**2256.0**	**3485.4**

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
a. Starting in 1986 country detail is no longer available due to disclosure.
These totals do not include data for the Indonesian pilot plant nor production of artificial (cellulosic) fiber in North Korea.
Production and producing capacity by country, divided between rayon and acetate yarn, is given on pages 178 - 179.
Also note page 184 for data on production of cigarette tow.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1989			1990			3/1991			12/1992		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
		299.8			297.6			*297.6*			*299.8*
		88.2			86.0			*94.8*			*94.8*
		142.9			140.6			*154.3*			*154.3*
		4.4			4.4			*6.6*			*6.6*
DETAIL NO LONGER AVAILABLE		284.4	DETAIL NO LONGER AVAILABLE		286.6	DETAIL NO LONGER AVAILABLE		*306.5*	DETAIL NO LONGER AVAILABLE		*306.5*
		16.5			15.4			*17.6*			*17.6*
		77.2			79.4			*94.8*			*97.0*
		2.0			1.8			*2.2*			*2.2*
		88.2			79.4			*92.7*			*92.7*
		44.8			53.8			*55.1*			*57.3*
		20.5			23.6			*24.7*			*24.7*
		121.3			156.5			*165.3*			*167.5*
434.4	**755.8**	**1190.2**	**416.7**	**808.5**	**1225.1**	***480.6***	***831.6***	***1312.2***	***476.2***	***844.8***	***1321.0***
9.3	0	9.3	9.5	0	9.5	*11.0*	*0*	*11.0*	*11.0*	*0*	*11.0*
38.1	64.2	102.3	35.5	89.7	125.2	*45.2*	*97.0*	*142.2*	*37.5*	*97.0*	*134.5*
62.6	266.8	329.4	57.5	233.7	291.2	*74.5*	*242.5*	*317.0*	*74.5*	*114.6*	*189.1*
0	9.5	9.5	0	9.0	9.0	*22.0*	*13.2*	*35.2*	*22.0*	*22.0*	*44.0*
38.6	97.4	136.0	30.6	48.1	78.7	*50.7*	*99.2*	*149.9*	*50.7*	*99.2*	*149.9*
20.5	135.8	156.3	19.8	139.3	159.1	*24.3*	*264.6*	*288.9*	*24.3*	*264.6*	*288.9*
540.3	747.1	1287.4	524.7	712.1	1236.8	*694.4*	*824.5*	*1518.9*	*694.4*	*824.5*	*1518.9*
32.8	123.9	156.7	34.2	126.8	161.0	*37.5*	*132.3*	*169.8*	*37.5*	*138.9*	*176.4*
742.2	**1444.7**	**2186.9**	**711.8**	**1358.7**	**2070.5**	***959.6***	***1673.3***	***2632.9***	***951.9***	***1560.8***	***2512.7***
1176.6	**2200.5**	**3377.1**	**1128.5**	**2167.2**	**3295.6**	***1440.2***	***2504.9***	***3945.1***	***1428.1***	***2405.6***	***3833.7***

TABLE 4:
WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY *(CONTINUED)*

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1986			1987			1988		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	214.8	404.2	619.0	191.1	414.3	605.4	213.9	399.8	613.7
CANADA	19.4	64.2	83.6	28.7	62.8	91.5	28.9	73.2	102.1
OTHER AMERICAS									
ARGENTINA	6.6	10.8	17.4	7.3	5.5	12.8	7.7	0	7.7
BRAZIL	37.0	74.1	111.1	33.1	74.7	107.8	32.8	80.7	113.5
CHILE	2.9	8.6	11.5	2.9	8.8	11.7	2.9	9.0	11.9
COLOMBIA	4.0	0	4.0	5.1	0	5.1	3.3	0	3.3
CUBA	5.7	19.2	24.9	6.0	19.4	25.4	1.5	19.6	21.1
MEXICO	26.5	0	26.5	25.1	0	25.1	26.5	0	26.5
PERU	1.8	0	1.8	2.4	0	2.4	2.9	0	2.9
URUGUAY	2.9	0	2.9	2.6	0	2.6	3.5	0	3.5
VENEZUELA	3.3	0	3.3	4.9	0	4.9	4.9	0	4.9
TOTAL OTHER AMERICAS	90.7	112.7	203.4	89.4	108.4	197.8	86.0	109.3	195.3
JAPAN	226.6	478.8	705.4	219.1	443.3	662.4	220.0	420.6	640.6
CHINA, PRC	116.8	286.6	403.4	121.3	291.0	412.3	116.8	264.6	381.4
OTHER ASIA									
BANGLADESH	8.8	2.4	11.2	9.9	2.9	12.8	10.6	2.2	12.8
INDIA	109.3	199.3	308.6	111.8	257.5	369.3	116.0	267.9	383.9
INDONESIA	0	101.6	101.6	0	114.6	114.6	0	130.1	130.1
KOREA, REP. OF	30.6	0	30.6	31.1	0	31.1	33.3	0	33.3
PAKISTAN	7.1	0	7.1	7.3	0	7.3	6.2	0	6.2
PHILLIPPINES	0	0	0	0	0	0	0	0	0
TAIWAN	6.2	258.2	264.4	5.3	258.4	263.7	5.7	271.6	277.3
THAILAND	0	41.9	41.9	0	47.2	47.2	0	52.9	52.9
TOTAL OTHER ASIA	162.0	603.4	765.4	165.4	680.6	846.0	171.8	724.7	896.5
MIDDLE EAST, AFRICA & OCEANIA									
EGYPT	15.4	10.4	25.8	15.4	10.6	26.0	15.4	11.0	26.4
IRAQ	6.6	12.1	18.7	6.8	12.1	18.9	6.4	12.1	18.5
TOTAL M.E., A & O	22.0	22.5	44.5	22.2	22.7	44.9	21.8	23.1	44.9
TOTAL WORLD	2037.5	4267.1	6304.6	2009.2	4220.1	6229.3	2088.6	4271.3	6359.9

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1989			1990			3/1991			12/1992		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
217.5	362.8	580.3	206.2	299.1	505.3	*225.0*	*325.0*	*550.0*	*219.0*	*325.0*	*544.0*
28.9	73.9	102.8	24.7	62.8	87.5	*54.0*	*83.8*	*137.8*	*54.0*	*83.8*	*137.8*
7.5	0	7.5	6.0	0	6.0	*8.8*	*0*	*8.8*	*8.8*	*0*	*8.8*
32.6	88.6	121.2	32.0	89.3	121.3	*37.5*	*91.9*	*129.4*	*44.1*	*91.9*	*136.0*
2.9	9.3	12.2	2.9	9.5	12.4	*3.3*	*11.9*	*15.2*	*3.3*	*11.9*	*15.2*
2.2	0	2.2	2.9	0	2.9	*7.7*	*0*	*7.7*	*7.7*	*0*	*7.7*
0.4	17.6	18.0	1.1	18.3	19.4	*3.3*	*24.3*	*27.6*	*3.3*	*24.3*	*27.6*
27.8	0	27.8	29.1	0	29.1	*46.5*	*0*	*46.5*	*46.5*	*0*	*46.5*
3.1	0	3.1	3.1	0	3.1	*3.7*	*0*	*3.7*	*3.7*	*0*	*3.7*
2.9	0	2.9	3.5	0	3.5	*4.2*	*0*	*4.2*	*4.2*	*0*	*4.2*
3.3	0	3.3	2.6	0	2.6	*3.3*	*0*	*3.3*	*3.3*	*0*	*3.3*
82.7	115.5	198.2	83.2	117.1	200.3	*118.3*	*128.1*	*246.4*	*124.9*	*128.1*	*253.0*
218.0	383.6	601.6	218.5	389.6	608.1	*258.8*	*473.8*	*732.6*	*258.8*	*473.8*	*732.6*
110.2	286.6	396.8	116.8	330.7	447.5	*143.3*	*374.8*	*518.1*	*143.3*	*374.8*	*518.1*
10.6	2.6	13.2	10.4	2.6	13.0	*14.3*	*11.0*	*25.3*	*14.3*	*11.0*	*25.3*
124.3	313.7	438.0	128.3	349.4	477.7	*157.0*	*389.1*	*546.1*	*157.0*	*389.1*	*546.1*
0	130.1	130.1	0	132.3	132.3	*0*	*275.6*	*275.6*	*0*	*319.7*	*319.7*
33.7	0	33.7	34.8	0	34.8	*39.7*	*46.3*	*86.0*	*39.7*	*46.3*	*86.0*
6.2	0	6.2	6.2	0	6.2	*6.6*	*0*	*6.6*	*6.6*	*0*	*6.6*
0	0	0	0	0	0	*0*	*55.1*	*55.1*	*0*	*55.1*	*55.1*
5.7	319.7	325.4	4.9	321.2	326.1	*8.8*	*330.0*	*338.8*	*8.8*	*330.0*	*338.8*
0	90.8	90.8	0	91.5	91.5	*0*	*121.3*	*121.3*	*0*	*121.3*	*121.3*
180.5	856.9	1037.4	184.6	897.0	1081.6	*226.4*	*1229.4*	*1454.8*	*226.4*	*1272.5*	*1498.9*
17.0	11.5	28.5	17.4	11.5	28.9	*17.6*	*11.9*	*29.5*	*17.6*	*11.9*	*29.5*
6.6	12.3	18.9	6.6	12.3	18.9	*7.7*	*14.3*	*22.0*	*7.7*	*14.3*	*22.0*
23.6	23.8	47.4	24.0	23.8	47.8	*25.3*	*26.2*	*51.5*	*25.3*	*26.2*	*51.5*
2038.0	4303.6	6341.6	1985.5	4287.3	6273.7	*2491.3*	*5145.0*	*7636.3*	*2479.8*	*5089.8*	*7569.6*

TABLE 5:
WORLDWIDE RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY
MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1986			1987			1988		
	H	R&C	A	H	R&C	A	H	R&C	A
WESTERN EUROPE									
AUSTRIA									
BELGIUM/NETHERLANDS									
FRANCE		DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE	
WEST GERMANY [a]									
ITALY [a]									
SPAIN									
UNITED KINGDOM									
OTHER [b]									
TOTAL WESTERN EUROPE	157	151	112	148	154	106	165	146	110
EASTERN EUROPE									
BULGARIA	0	9	0	0	9	0	0	9	0
CZECHOSLOVAKIA	18	22	0	18	22	0	18	24	0
EAST GERMANY	31	48	0	31	48	0	31	51	0
HUNGARY	0	0	0	0	0	0	0	0	0
POLAND	11	31	0	11	33	0	11	35	0
ROMANIA	11	9	0	11	9	0	11	9	0
USSR [a]	256	176	110	258	176	110	262	187	132
YUGOSLAVIA	15	18	0	13	15	0	13	15	0
TOTAL EASTERN EUROPE	342	313	110	342	312	110	346	330	132
U.S.A. [a]	15	13	187	15	13	163	15	13	186
CANADA	0	0	19	0	0	29	0	0	29
OTHER AMERICAS									
ARGENTINA	0	0	7	0	0	7	0	0	7
BRAZIL	2	33	0	0	33	0	0	33	0
CHILE	0	3	0	0	3	0	0	3	0
COLOMBIA	0	0	4	0	0	5	0	0	5
CUBA	7	0	0	7	0	0	1	0	0
MEXICO	5	7	15	5	7	13	4	9	13
PERU	0	0	2	0	0	2	0	0	3
URUGUAY	0	0	2	0	0	3	0	0	3
VENEZUELA	0	0	4	0	0	5	0	0	5
TOTAL OTHER AMERICAS	14	43	34	12	43	35	5	45	36
JAPAN [a]	4	163	60	4	155	60	2	158	60
CHINA, PRC	0	117	0	0	121	0	0	117	0
OTHER ASIA									
BANGLADESH	0	9	0	0	10	0	0	9	0
INDIA	11	98	+	11	101	+	20	96	0
KOREA, REP. OF	0	26	4	0	27	4	0	26	7
PAKISTAN	0	0	7	0	0	7	0	0	7
TAIWAN	0	7	0	0	5	0	0	7	0
TOTAL OTHER ASIA	11	140	11	11	143	11	20	138	14
OTHER M.E., A & O [c]	0	22	0	0	22	0	0	22	0
WORLD TOTAL	543	962	533	532	963	514	553	969	567

NA No Longer Available
H High tenacity (tire & industrial type) viscose rayon yarn.
R Regular + intermediate tenacity viscose rayon yarn.
C Cuprammonium rayon yarn.
A Acetate + triacetate yarn.
a. Produces both regular + intermediate rayon yarn and cuprammonium rayon yarn.
b. Comprises Greece, Portugal and Turkey.
c. Comprises Egypt and Iraq.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1989			1990			3/1991			12/1992		
H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A
DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE		
174	148	112	157	148	112	192	165	123	192	161	123
0	9	0	0	9	0	0	11	0	0	11	0
18	20	0	20	15	0	24	20	0	24	13	0
11	52	0	7	51	0	18	57	0	18	57	0
0	0	0	0	0	0	0	22	0	0	22	0
11	29	0	0	31	0	0	51	0	0	51	0
11	9	0	11	9	0	13	11	0	13	11	0
229	201	110	227	187	110	298	265	132	298	265	132
15	18	0	18	18	0	18	20	0	18	20	0
295	338	110	283	320	110	371	457	132	371	450	132
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
0	0	7	0	0	7	0	0	9	0	0	9
0	33	0	0	33	0	0	37	0	0	44	0
0	3	0	0	2	0	0	2	0	0	2	0
0	0	6	0	0	2	0	0	9	0	0	9
+	0	0	2	0	0	2	0	0	2	0	0
4	9	15	4	9	15	7	9	31	7	9	31
0	0	3	0	0	2	0	0	4	0	0	4
0	0	3	0	0	4	0	0	4	0	0	4
0	0	5	0	0	2	0	0	4	0	0	4
4	45	39	6	44	32	9	48	61	9	55	61
+	161	57	0	159	60	0	185	73	0	185	73
0	110	0	0	117	0	0	143	0	0	143	0
0	11	0	0	11	0	0	13	0	0	15	0
20	96	0	15	112	0	46	112	0	46	110	0
0	24	9	0	24	11	0	26	13	0	26	13
0	0	7	0	0	7	0	0	7	0	0	7
0	7	0	0	4	0	0	9	0	0	9	0
20	138	16	15	151	18	46	160	20	46	160	20
0	24	0	0	24	0	0	26	0	0	26	0
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 6:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN
MILLION POUNDS

FIBER & AREA	ACTUAL PRODUCTION								
	1986			1987			1988		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC									
WEST EUROPE	2	2070	2072	2	2090	2092	2	1929	1931
EAST EUROPE	0	564	564	0	611	611	0	628	628
U.S.A.	0	615	615	0	591	591	0	589	589
CANADA	0	0	0	0	0	0	0	0	0
OTHER AMERICAS	0	340	340	0	399	399	0	399	399
JAPAN	7	869	876	7	891	898	7	871	878
CHINA, PRC	0	163	163	0	165	165	0	170	170
OTHER ASIA	0	721	721	0	758	758	0	774	774
MIDDLE EAST, AFRICA & OCEANIA	0	40	40	0	44	44	0	37	37
TOTAL	**9**	**5382**	**5391**	**9**	**5549**	**5558**	**9**	**5397**	**5406**
NYLON+ARAMID [a]									
WEST EUROPE	1140	311	1451	1142	302	1444	1208	302	1510
EAST EUROPE	1219	218	1437	1270	220	1490	1329	227	1556
U.S.A.	1605	908	2513	1698	992	2690	1728	941	2669
CANADA	119	31	150	112	29	141	119	29	148
OTHER AMERICAS	375	24	399	364	22	386	353	15	368
JAPAN	573	42	615	578	37	615	589	33	622
CHINA, PRC	163	2	165	174	2	176	205	2	207
OTHER ASIA	849	9	858	935	13	948	1016	13	1029
MIDDLE EAST, AFRICA & OCEANIA	126	2	128	128	2	130	134	2	136
TOTAL	**6169**	**1547**	**7716**	**6401**	**1619**	**8020**	**6681**	**1564**	**8245**
POLYESTER									
WEST EUROPE	985	1118	2103	994	1124	2118	1045	1188	2233
EAST EUROPE	497	947	1444	549	1042	1591	594	1060	1654
U.S.A.	1173	2134	3307	1178	2363	3541	1228	2452	3680
CANADA	47	111	158	46	99	145	49	101	150
OTHER AMERICAS	459	403	862	451	508	959	457	501	958
JAPAN	710	683	1393	713	623	1336	724	646	1370
CHINA, PRC	154	1005	1159	265	1094	1359	676	1168	1844
OTHER ASIA	2133	2236	4369	2512	2526	5038	2793	2770	5563
MIDDLE EAST, AFRICA & OCEANIA	112	176	288	116	194	310	127	198	325
TOTAL	**6270**	**8813**	**15083**	**6824**	**9573**	**16397**	**7693**	**10084**	**17777**
OTHER FIBERS EXCEPT OLEFIN [b]									
WEST EUROPE	11	20	31	11	20	31	11	20	31
EAST EUROPE	2	7	9	2	7	9	2	7	9
U.S.A.	+	+	+	+	+	+	+	+	+
CANADA	+	0	+	+	0	+	+	0	+
OTHER AMERICAS	2	0	2	2	0	2	2	0	2
JAPAN	44	60	104	44	63	107	44	66	110
CHINA, PRC	22	139	161	22	143	165	18	130	148
OTHER ASIA	+	2	2	0	4	4	0	4	4
MIDDLE EAST, AFRICA & OCEANIA	0	0	0	0	0	0	0	0	0
TOTAL	**81**	**228**	**309**	**81**	**237**	**318**	**77**	**227**	**304**
TOTAL FIBERS ABOVE									
WEST EUROPE	2138	3519	5657	2149	3536	5685	2266	3439	5705
EAST EUROPE	1718	1736	3454	1821	1880	3701	1925	1922	3847
U.S.A.	2778	3657	6435	2876	3946	6822	2956	3982	6938
CANADA	166	142	308	158	128	286	168	130	298
OTHER AMERICAS	836	767	1603	817	929	1746	812	915	1727
JAPAN	1334	1654	2988	1342	1614	2956	1364	1616	2980
CHINA, PRC	339	1309	1648	461	1404	1865	899	1470	2369
OTHER ASIA	2982	2968	5950	3447	3301	6748	3809	3561	7370
MIDDLE EAST, AFRICA & OCEANIA	238	218	456	244	240	484	261	237	498
WORLD TOTAL	**12529**	**15970**	**28499**	**13315**	**16978**	**30293**	**14460**	**17272**	**31732**

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
\+ Nominal quantities.
-- Negligable

a. U.S.A. nylon producing capacity data do not include aramid.
b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon. U.S.A. production data do not include spandex.

ACTUAL PRODUCTION						PRODUCING CAPACITY						% UTILIZATION [c]	
1989			1990			3/1991			12/1992				
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S
2	1748	1750	0	1779	1779	0	2317	2317	0	2112	2112	0	75.6
0	664	664	0	633	633	0	948	948	0	957	957	0	69.8
0	542	542	0	505	505	0	476	476	0	492	492	0	90.3
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	377	377	0	333	333	0	553	553	0	567	567	0	63.5
7	800	807	9	791	800	13	939	952	13	939	952	69.2	84.2
0	231	231	0	254	254	0	375	375	0	452	452	0	78.0
0	794	794	0	783	783	0	950	950	0	1001	1001	0	82.9
0	31	31	0	42	42	0	55	55	0	71	71	0	84.8
9	**5187**	**5196**	**9**	**5120**	**5129**	**13**	**6613**	**6626**	**13**	**6591**	**6604**	**64.3**	**77.5**
1228	326	1554	1173	337	1510	1484	419	1903	1550	419	1969	78.9	78.0
1283	231	1514	1239	218	1457	1605	269	1874	1614	269	1883	78.7	81.0
1759	981	2740	1671	990	2661	2004	1129	3133	2033	1144	3177	82.2	87.2
123	35	158	123	35	158	214	53	267	214	53	267	57.5	66.0
362	15	377	340	15	355	536	31	567	547	33	580	65.6	48.4
589	35	624	604	33	637	723	60	783	822	60	882	84.6	55.0
229	4	233	247	4	251	309	22	331	309	33	342	80.3	24.2
1058	13	1071	1138	13	1151	1552	18	1570	1927	55	1982	78.9	72.2
115	2	117	117	2	119	203	7	210	205	7	212	57.6	28.6
6746	**1642**	**8388**	**6652**	**1647**	**8299**	**8630**	**2008**	**10638**	**9221**	**2073**	**11294**	**78.3**	**81.5**
1074	1314	2388	1127	1257	2384	1365	1520	2885	1491	1558	3049	82.1	86.6
602	1091	1693	589	985	1574	898	1525	2423	933	1745	2678	68.1	64.6
1209	2386	3595	1106	2090	3196	1367	2598	3965	1409	2617	4026	82.8	80.9
21	96	117	21	77	98	25	108	133	25	108	133	85.7	71.3
464	517	981	457	487	944	669	773	1442	719	845	1564	70.8	65.2
808	682	1490	895	686	1581	1136	796	1932	1032	796	1828	81.7	84.6
798	1290	2088	844	1372	2216	944	1942	2886	957	2161	3118	99.4	72.5
3065	2973	6038	3451	3239	6690	4335	4451	8786	5065	5077	10142	83.5	76.8
128	202	330	129	194	323	241	362	603	259	422	681	56.7	56.7
8169	**10551**	**18720**	**8619**	**10387**	**19006**	**10980**	**14075**	**25055**	**11890**	**15329**	**27219**	**81.0**	**75.9**
20	20	40	26	18	44	35	31	66	35	31	66	91.2	63.2
2	7	9	2	7	9	2	18	20	2	18	20	100.0	38.9
+	+	+	+	+	+	+	+	+	+	+	+	--	--
+	0	+	+	0	+	+	0	+	+	0	+	--	0
4	0	4	2	0	2	4	0	4	4	0	4	50.0	0
44	79	123	40	84	124	66	218	284	66	218	284	60.6	38.5
18	137	155	22	143	165	33	165	198	33	165	198	66.7	86.7
0	2	2	0	2	2	0	2	2	0	2	2	0	100.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	**245**	**333**	**92**	**254**	**346**	**140**	**434**	**574**	**140**	**434**	**574**	**68.9**	**58.9**
2324	3408	5732	2326	3391	5717	2884	4287	7171	3076	4120	7196	80.5	79.5
1887	1993	3880	1830	1843	3673	2505	2760	5265	2549	2989	5538	74.9	67.8
2968	3909	6877	2777	3585	6362	3371	4203	7574	3442	4253	7695	82.5	83.8
144	131	275	144	112	256	239	161	400	239	161	400	60.4	69.6
830	909	1739	799	835	1634	1209	1357	2566	1270	1445	2715	68.4	64.1
1448	1596	3044	1548	1594	3142	1938	2013	3951	1933	2013	3946	82.0	78.6
1045	1662	2707	1113	1773	2886	1286	2504	3790	1299	2811	4110	86.6	73.9
4123	3782	7905	4589	4037	8626	5887	5421	11308	6992	6135	13127	82.3	77.9
243	235	478	246	238	484	444	424	868	464	500	964	57.1	59.7
15012	**17625**	**32637**	**15372**	**17408**	**32780**	**19763**	**23130**	**42893**	**21264**	**24427**	**45691**	**79.7**	**76.6**

c. Based on 1990 production and average March 1990 vs. 1991 producing capacity.
The regional totals here are the same as those on pages 170 -173.

TABLE 7:
WORLDWIDE OLEFIN FIBER PRODUCTION
MILLION POUNDS

COUNTRY	1986	1987	1988	1989	1990
WEST EUROPE					
AUSTRIA	57	60	66	64	66
BENELUX	311	353	364	441	474
DENMARK	57	66	71	79	82
FINLAND	53	40	42	22	24
FRANCE	121	128	154	154	165
GREECE/CYPRUS	33	35	37	40	44
WEST GERMANY	229	254	298	320	342
IRELAND	20	22	22	22	22
ITALY	287	287	298	298	331
NORWAY	9	11	9	11	11
PORTUGAL	66	79	82	84	84
SPAIN	90	108	117	123	132
SWEDEN	13	13	15	18	22
SWITZERLAND	37	44	49	46	51
TURKEY	13	15	15	22	22
UNITED KINGDOM	243	276	309	320	331
TOTAL WEST EUROPE	**1639**	**1791**	**1948**	**2064**	**2203**
EAST EUROPE					
BULGARIA	40	55	55	55	55
CZECHOSLOVAKIA	88	93	95	97	101
EAST GERMANY	18	22	22	22	22
HUNGARY	44	49	57	62	62
POLAND	37	37	49	55	57
ROMANIA	26	33	37	44	44
U.S.S.R.	53	62	71	79	88
U.S.A.					
YARN+MONOFIL	470	494	553	591	782
STAPLE	335	362	364	381	406
FILM FIBER	580	642	646	635	623

TABLE 7:
WORLDWIDE OLEFIN FIBER PRODUCTION *(CONTINUED)*
MILLION POUNDS

COUNTRY	1986	1987	1988	1989	1990
CANADA	121	134	137	146	154
OTHER AMERICAS					
ARGENTINA	42	53	40	40	37
BRAZIL	150	185	170	181	172
CHILE	13	15	13	18	18
COLOMBIA	0	7	7	7	7
EL SALVADOR, GUATEMALA, HONDURAS	7	7	7	7	7
MEXICO	60	60	62	62	64
NICARAGUA	2	2	2	2	2
PERU	15	15	15	15	15
URUGUAY	4	4	4	4	4
JAPAN					
YARN+MONOFIL	24	31	35	44	49
STAPLE	82	79	84	84	93
FILM FIBER	NA	NA	NA	NA	NA
CHINA, PRC	322	317	529	364	496
OTHER ASIA					
KOREA, REP. OF	68	82	97	99	104
PHILIPPINES	7	7	7	7	7
TAIWAN	161	172	201	198	192
MIDDLE EAST, AFRICA & OCEANIA					
AUSTRALIA	37	44	57	62	66
SOUTH AFRICA	11	11	11	22	29
OTHER	2	2	2	2	2

The olefin data shown include the "official" country data published by a government, an association or other statistical agency as well as an estimate of the olefin fiber, mainly slit and split film fiber, believed to have been produced in the country. For example: although U.S. olefin production data include yarn, monofil, staple, film fiber, and spunbonded polypropylene, published Italian and Japanese olefin data show the production of yarn+monofilaments and staple+tow but no data on production of film fiber, such as that used in sacks, fishing nets, and carpet backing. Estimates were made in the latter example.

Due to the inconsistencies in olefin production reporting, we have made no attempt to show a worldwide total.

TABLE 8:
WORLDWIDE GLASS FIBER
PRODUCTION & PRODUCING CAPACITY
MILLION POUNDS

COUNTRY	PRODUCTION					CAPACITY	
	1986	1987	1988	1989	1990	3/91	12/92
WEST EUROPE EAST EUROPE [a]	802	897	1025	1036	981	*1323*	*1466*
U.S.A. [b]	1389	1598	1609	1620	1488	*1814*	*1995*
OTHER AMERICAS	77	110	143	143	132	*187*	*209*
JAPAN	529	661	750	761	818	*838*	*860*
MIDDLE EAST, AFRICA & OCEANIA	66	77	121	143	176	*220*	*397*
TOTAL ABOVE	**2863**	**3343**	**3648**	**3703**	**3595**	***4382***	***4927***
CHINA P.R.C.	110	121	143	154	165	*243*	*287*
U.S.S.R.	220	243	276	293	265	*441*	*441*

Glass fiber is defined on page 129 of the June 1991 ***Fiber Organon***. The glass fiber producing capacity, is based on March 1991 and December 1992 annual projections.

a. The data for East Europe do not include estimates for the U.S.S.R.

b. The Other Asia, Africa & Oceania countries are Australia, India, Korea, Rep. of, South Africa and Taiwan.

TABLE 9:
ESTIMATED WORLDWIDE
CIGARETTE TOW PRODUCTION
MILLION POUNDS

AREA	1986	1987	1988	1989	1990
EUROPE [a]	229	236	251	260	265
U.S.A. OTHER AMERICAS [b]	476	545	549	584	604
ASIA [c]	93	101	108	121	128
CHINA, PRC	0	0	0	0	22
WORLD TOTAL	**798**	**882**	**908**	**965**	**1019**

a. Belgium, West Germany, U.S.S.R. & United Kingdom.

b. Brazil, Canada, Colombia, Mexico & Venezuela.

c. Japan and Korea, Rep. of.

TABLE 10:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	123	0	38	114	80								355	228
BRAZIL	109	184	28	109	27								437	371
CANADA	775	408	877	1147	905								4112	1884
CHILE	44	22	44	0	44								154	706
WEST GERMANY	478	633	531	493	686								2821	3249
IRELAND	0	0	0	0	0								0	250
JAPAN	111	134	114	119	142								620	561
MEXICO	150	39	118	41	79								427	405
NETHERLANDS	263	188	279	218	129								1077	1309
UNITED KINGDOM	86	0	0	35	109								230	154
ALL OTHER COUNTRIES [a]	18	56	33	43	6								156	279
TOTAL ARTIFICIAL YARN	**2157**	**1644**	**2062**	**2319**	**2207**								**10389**	**9396**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1339	1371	1214	396	1672								5992	3084
CANADA	3228	2840	3042	1843	1824								12777	21679
FINLAND	309	197	371	143	167								1187	147
WEST GERMANY	515	46	0	0	0								561	1149
JAPAN	84	227	95	95	95								596	842
SPAIN	0	0	0	0	0								0	0
TAIWAN	1336	1268	1186	1721	1148								6659	5361
THAILAND	763	1317	232	296	513								3121	66
UNITED KINGDOM	815	438	473	128	70								1924	454
YUGOSLAVIA	584	29	2559	636	81								3889	0
ALL OTHER COUNTRIES [b]	544	206	251	333	879								2213	817
TOTAL ARTIFICIAL STAPLE+TOW	**9517**	**7939**	**9423**	**5591**	**6449**								**38919**	**33599**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	239	40	100	143	33								555	3465
BRAZIL	0	0	0	48	0								48	496
CANADA	2668	3903	3431	4073	5854								19929	19146
COSTA RICA	725	454	473	544	669								2865	3025
ECUADOR	0	34	34	15	0								83	278
FRANCE	627	705	668	841	962								3803	6978
WEST GERMANY	1556	1449	1843	1576	1857								8281	9167
IRELAND	147	215	119	34	193								708	82
ITALY	106	109	29	38	75								357	3685
JAPAN	853	903	1401	1266	1190								5613	2852
KOREA, REP. OF	117	59	149	5	146								476	187
MEXICO	1414	1663	1343	1620	1438								7478	6441
NETHERLANDS	223	258	329	284	305								1399	1665
PORTUGAL	0	0	0	160	0								160	449
SPAIN	0	0	0	1	0								1	194
TAIWAN	89	91	45	132	184								541	2387
THAILAND	61	67	65	95	129								417	433
UNITED KINGDOM	1740	1370	2596	1637	1678								9021	7760
ALL OTHER COUNTRIES [c]	125	261	168	135	250								939	616
TOTAL SYNTHETIC YARN	**10690**	**11581**	**12793**	**12647**	**14963**								**62674**	**69306**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	15	25	0	12	1								53	81
AUSTRALIA	75	143	0	81	60								359	323
BELGIUM	4	0	2	0	0								6	175
BRAZIL	0	110	199	87	86								482	80
CANADA	1378	1148	968	1942	2184								7618	13705
FRANCE	544	417	282	421	382								2046	2652
WEST GERMANY	1136	1400	1732	1931	1558								7757	6139
INDIA	3008	3879	264	0	1186								8337	9529
IRELAND	0	0	0	0	357								357	26
ITALY	176	47	80	53	203								559	1684
JAPAN	2386	2197	2080	1840	2110								10613	8894
KOREA, REP. OF	4958	6473	6864	5486	7279								31060	10321
MEXICO	1957	1575	1576	2743	2130								9981	13386
SPAIN	14	22	0	20	29								85	35
SWITZERLAND	117	285	152	127	183								864	1102
TAIWAN	3102	1918	1891	3664	3181								13756	5267
TURKEY	0	0	2	111	0								113	226
UNITED KINGDOM	1848	1395	963	1830	1359								7195	11352
ALL OTHER COUNTRIES [d]	133	182	27	218	125								685	1331
TOTAL SYNTHETIC STAPLE+TOW	**20851**	**21214**	**17082**	**20366**	**22413**								**101926**	**86308**

a. Belgium 75, India 52, France 15, Spain 7, Italy 5, Taiwan 2.

b. China, PRC 1543, Sweden 347, Poland 220, Belgium 45, Netherlands 38, USSR 18, France 1, Italy 1.

c. Israel 559, Singapore 69, Switzerland 60, Austria 44, Colombia 38, Sweden 32, El Salvador 25, Australia 22, Hong Kong 21, Morocco 17, Turkey 16, Peru 13, Honduras 7, Denmark 6, China, PRC 3, Greece 3, Argentina 2, Finland 1, India 1.

d. Israel 220, Malaysia 191, Romania 85, Netherlands 70, Denmark 55, Hong Kong 44, Czechoslovakia 12, China, PRC 5, Ecuador 3.

TABLE 11:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	311	129	212	316	231								1199	963
TEXTURED	0	0	0	0	0								0	127
OTHER	1845	1514	1847	1999	1975								9180	7926
MONOFILAMENTS & STRIPS	1	1	3	4	1								10	380
SUBTOTAL ABOVE	**2157**	**1644**	**2062**	**2319**	**2207**								**10389**	**9396**
STAPLE	8891	7889	9419	5533	6391								38123	32091
TOW	626	50	4	58	58								796	1502
TOPS	0	0	0	0	0								0	6
SUBTOTAL ABOVE	**9517**	**7939**	**9423**	**5591**	**6449**								**38919**	**33599**
WASTE	**87**	**129**	**0**	**695**	**177**								**1088**	**28**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1173	2391	1704	2541	1923								9732	6064
TEXTURED														
UP TO 450 DENIER	198	350	232	285	478								1543	1714
OVER 450 DENIER	1197	1786	1557	1069	3421								9030	13178
POY	2103	1563	3032	1981	2240								10919	0
OTHER	834	780	821	1828	1718								5981	17146
MONOFILAMENTS & STRIPS	150	72	131	131	139								623	806
SUBTOTAL ABOVE	**5655**	**6942**	**7477**	**7835**	**9919**								**37828**	**38908**
POLYESTER														
HIGH TENACITY	785	708	651	621	671								3436	2294
TEXTURED	833	810	561	622	642								3468	3558
POY	207	172	201	246	406								1232	1964
OTHER	1548	1439	2102	1371	1486								7946	8586
MONOFILAMENTS & STRIPS	41	31	30	68	31								201	213
SUBTOTAL ABOVE	**3414**	**3160**	**3545**	**2928**	**3236**								**16283**	**16615**
OTHER SYNTHETIC FILAMENT														
TEXTURED	248	105	164	174	107								798	9244
OTHER	841	804	1233	1149	1260								5287	1384
MONOFILAMENTS & STRIPS	532	570	374	561	441								2478	3155
SUBTOTAL ABOVE	**1621**	**1479**	**1771**	**1884**	**1808**								**8563**	**13783**
STAPLE														
NYLON	1879	1788	1576	2330	2039								9612	17439
POLYESTER	14049	15468	11687	12879	15989								70072	43466
ACRYLIC	853	804	971	1640	1303								5571	7949
POLYPROPYLENE	134	305	363	271	156								1229	872
OTHER	276	229	400	211	308								1424	1003
TOW														
NYLON	591	386	240	543	533								2293	2260
POLYESTER	35	272	35	150	46								538	183
ACRYLIC	2869	1898	1768	2227	1957								10719	11519
OTHER	16	59	0	0	10								85	350
TOPS	149	5	42	115	72								383	1267
SUBTOTAL ABOVE	**20851**	**21214**	**17082**	**20366**	**22413**								**101926**	**86308**
WASTE														
NYLON	2030	1483	1648	1319	1611								8091	9596
POLYESTER	2217	1032	774	785	886								5674	11020
OTHER	309	381	625	751	499								2565	3482
TOTAL MANUFACTURED FIBERS ABOVE	**47858**	**45403**	**44407**	**44453**	**49205**								**231326**	**222735**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	49	163	98	125	189								624	355
SPUN YARN	579	341	416	648	575								2559	2381
SPUN YARNS														
SYNTHETIC	431	843	746	610	636								3266	11988
ARTIFICIAL	0	0	0	0	0								0	0
PUT UP FOR RETAIL SALE	67	66	58	60	91								342	82
GRAND TOTAL ABOVE	**48984**	**46816**	**45725**	**45896**	**50696**								**238117**	**237541**

SOURCE: U.S. Census Bureau Report IM145X.

a. U.S. General Imports.

TABLE 12:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	134	284	263	22	74								777	224
TEXTURED	65	44	41	198	31								379	641
OTHER	211	69	132	193	41								646	339
MONOFILAMENTS & STRIPS	2	8	42	12	6								70	149
SUBTOTAL ABOVE	**412**	**405**	**478**	**425**	**152**								**1872**	**1353**
STAPLE	970	779	549	710	1403								4411	8058
TOPS	0	15	3	0	53								71	908
SUBTOTAL ABOVE	**970**	**794**	**552**	**710**	**1456**								**4482**	**8966**
WASTE	**527**	**666**	**2006**	**425**	**546**								**4170**	**2501**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	8070	7887	9547	9139	8564								43207	48801
TEXTURED														
UP TO 450 DENIER	1068	886	1836	1558	1172								6320	5674
OVER 450 DENIER	4023	4917	3298	3021	2921								18180	22694
POY	61	102	38	66	17								284	0
OTHER	3060	2769	3549	3394	3367								16139	12636
MONOFILAMENTS & STRIPS	34	57	6	56	31								184	208
SUBTOTAL ABOVE	**16316**	**16618**	**18074**	**17234**	**16072**								**84314**	**90013**
POLYESTER														
HIGH TENACITY	5640	5735	5488	5274	6132								28269	23614
TEXTURED	5014	4345	7042	5020	6176								27597	17331
POY	657	685	2216	2078	1814								7450	10187
OTHER	2391	1711	2362	2654	2594								11712	8436
MONOFILAMENTS & STRIPS	138	80	235	349	430								1232	842
SUBTOTAL ABOVE	**13840**	**12556**	**17343**	**15375**	**17146**								**76260**	**60410**
OTHER SYNTHETIC FILAMENT														
TEXTURED	603	627	620	473	637								2960	2832
OTHER	2963	1623	2068	2461	2088								11203	13354
MONOFILAMENTS & STRIPS	1050	859	1470	1062	1138								5579	5894
SUBTOTAL ABOVE	**4616**	**3109**	**4158**	**3996**	**3863**								**19742**	**22080**
STAPLE														
NYLON	2146	2453	1337	1768	2288								9992	13738
POLYESTER	6379	8388	10134	9404	10384								44689	39614
ACRYLIC	2431	1826	2976	2459	2082								11774	20277
POLYPROPYLENE	3302	1817	1957	3106	2742								12924	11702
OTHER	1489	1074	1811	1089	1383								6846	7894
TOW														
NYLON	253	150	187	122	96								808	901
POLYESTER	58	1	32	79	47								217	188
ACRYLIC	1511	1278	855	339	328								4311	6687
OTHER	14	1	402	7	3								427	256
TOPS	11009	5452	6387	4995	10029								37872	16334
SUBTOTAL ABOVE	**28592**	**22440**	**26078**	**23368**	**29382**								**129860**	**117631**
WASTE														
NYLON	2788	2965	3563	2700	1549								13565	18964
POLYESTER	2989	5530	5263	2796	2684								19262	14812
OTHER	6305	6811	7387	7147	6759								34409	21362
TOTAL MANUFACTURED FIBERS ABOVE	**77355**	**71894**	**84902**	**74176**	**79609**								**387936**	**358098**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	827	890	850	1560	761								4888	198
SPUN YARN	159	277	174	178	275								1063	0
SPUN YARNS														
SYNTHETIC	891	1256	1434	1865	1403								6849	19441
ARTIFICIAL	123	145	216	264	285								1033	0
PUT UP FOR RETAIL SALE	1488	1488	2601	2873	2730								11180	2861
GRAND TOTAL ABOVE	**80843**	**75950**	**90177**	**80916**	**85063**								**412949**	**380598**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 13:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1991	1990
MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]														
ARTIFICIAL (CELLULOSIC)														
YARN	14.8	16.4	16.2	20.3	18.0	17.7							103.4	100.3
RAYON STAPLE	20.4	16.2	22.1	21.4	25.7	22.7							128.5	157.6
TOTAL ARTIFICIAL (CELLULOSIC)	**35.2**	**32.6**	**38.3**	**41.7**	**43.7**	**40.4**							**231.9**	**257.9**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	29.2	28.1	26.5	27.9	28.6	24.4							164.7	168.4
- CARPET	69.4	54.5	63.8	80.3	85.8	80.4							434.2	491.3
- TEXTILE	34.2	30.0	28.8	32.9	33.0	28.7							187.6	182.3
POLYESTER - INDUSTRIAL[d]	25.0	27.0	26.5	29.1	29.0	29.0							165.6	180.8
- TEXTILE[f]	67.9	61.5	64.4	75.9	74.4	68.5							412.6	370.4
OLEFIN[e]	103.4	104.4	109.4	118.3	120.2	120.2							675.9	711.3
TOTAL YARN	**329.1**	**305.5**	**319.4**	**364.4**	**371.0**	**351.2**							**2040.6**	**2104.5**
STAPLE+TOW+FIBERFILL														
NYLON	66.8	54.7	64.1	78.1	77.8	70.7							412.2	499.3
ACRYLIC+MODACRYLIC	36.5	34.8	35.5	34.2	37.5	42.0							220.5	249.8
POLYESTER	168.6	159.6	166.1	191.7	189.1	169.8							1044.9	1043.9
OLEFIN	34.7	30.9	34.6	38.3	40.5	37.3							216.3	208.2
TOTAL STAPLE	**306.6**	**280.0**	**300.3**	**342.3**	**344.9**	**319.8**							**1893.9**	**2001.2**
TOTAL SYNTHETIC (NONCELLULOSIC)	**635.7**	**585.5**	**619.7**	**706.7**	**715.9**	**671.0**							**3934.5**	**4105.7**
TOTAL MANUFACTURED FIBER	**670.9**	**618.1**	**658.0**	**748.4**	**759.6**	**711.4**							**4166.4**	**4363.6**
MANUFACTURED FIBER END-OF-MONTH STOCK														
ARTIFICIAL (CELLULOSIC)														
YARN	10.2	9.6	10.0	9.6	9.4	9.4							9.4	8.7
RAYON STAPLE	22.4	27.3	26.0	26.6	23.9	24.9							24.9	10.1
TOTAL ARTIFICIAL (CELLULOSIC)	**32.6**	**36.9**	**36.0**	**36.2**	**33.3**	**34.3**							**34.3**	**18.8**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.0	23.9	24.7	26.9	26.1	28.2							28.2	35.7
- CARPET	72.0	80.6	77.6	66.3	58.5	58.4							58.4	78.2
- TEXTILE[f]	46.2	46.2	45.1	45.6	47.3	48.9							48.9	62.9
POLYESTER - INDUSTRIAL[d]	41.0	43.0	41.8	44.6	42.5	40.6							40.6	35.8
- TEXTILE[f]	86.4	93.4	93.9	90.5	90.7	91.7							91.7	100.8
OLEFIN[e]	61.5	59.7	61.1	59.8	56.4	54.4							54.4	61.2
TOTAL YARN	**332.1**	**346.8**	**344.2**	**333.7**	**321.5**	**322.2**							**322.2**	**374.6**
STAPLE+TOW+FIBERFILL														
NYLON	71.0	81.6	79.7	68.2	61.2	59.5							59.5	60.5
ACRYLIC+MODACRYLIC	73.4	72.4	67.9	72.1	74.9	70.9							70.9	83.2
POLYESTER	192.7	189.5	192.0	185.8	170.5	162.0							162.0	212.4
OLEFIN	29.8	30.0	31.5	33.3	30.1	30.1							30.1	28.6
TOTAL STAPLE	**366.9**	**373.5**	**371.1**	**359.4**	**336.7**	**322.5**							**322.5**	**384.7**
TOTAL SYNTHETIC (NONCELLULOSIC)	**699.0**	**720.3**	**715.3**	**693.1**	**658.2**	**644.7**							**644.7**	**759.3**
TOTAL MANUFACTURED FIBER	**731.6**	**757.2**	**751.3**	**729.3**	**691.5**	**679.0**							**679.0**	**778.1**
	COTTON & WOOL CONSUMPTION[g] 1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER										
RAW COTTON	**1030.3**												**1030.3**	**1015.3**
APPAREL CLASS WOOL	34.9												34.9	31.7
CARPET CLASS WOOL	3.1												3.1	3.8
TOTAL RAW WOOL	**38.0**												**38.0**	**35.5**

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.
g. **Cotton and Wool data for 1991 available on a quarterly basis only.**